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(71) Applicant and

(72) Inventor: GROSCH, Gregory [US/US]; 14 Lagunita Drive, Laguna Beach, CA 92651 (US).

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(74) Agents: RUTAN & TUCKER LLP et al.; 611 Anton Blvd., Suite 1400, Costa Mesa, CA 92626 (US).

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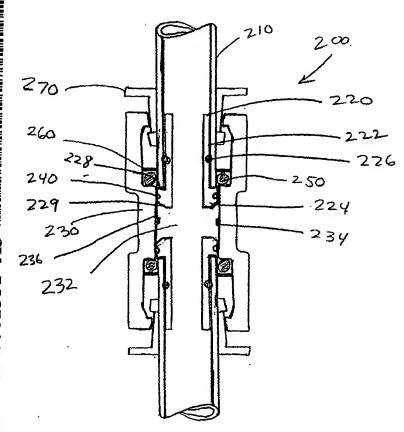
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[Continued on next page]

(54) Title: INTEGRALLY HOUSED TUBE INSERT



(57) Abstract: A tube coupling that has a tube insert (220) which is integrally housed within a coupling body (230). The tube insert (220) is partly comprised of an elongated stem (222) encircled by a sealing o-ring (226) that forms a seal with a tube (210) inserted into the coupling body (230) and over the tube insert (220).



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A. CLA	ASSIFICATION OF SUBJECT MATTER		71,0003,07247			
IPC(7) : F16L 21/06						
US CL : 285/322,323,374						
According to International Patent Classification (IPC) or to both national classification and IPC						
2. FIELDS SEARCHED						
Minimum do	ocumentation searched (classification system follower 285/322, 323, 374	i by classification symbols)				
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C. DOC	Y					
	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where	appropriate, of the relevant	passages	Relevant to claim No.		
Х	US 6,142,538 A (VOLGSTADT et al) 07 Novemb	er 2000, see entire document	t.	1-17		
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•	US 5,511,830 A (OLSON et al) 30 April 1996, se	e entire document.		1-5, 10, 17		
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Further	documents are listed in the continuation of Box C.		<u>-</u> -			
	ecial categories of cited documents:	See patent family				
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		being obvious to a pe	erson skilled in the a	rt		
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		Date of mailing of the inter	rnational search	report		
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Box I Observations where certain cloims were few l
Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet) This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-17 Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.
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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

Group I, claims 1-17, drawn to a tube coupling, a coupling system, and a method of fluidly sealing a tube in a coupling body.

Group II, claims 18-20, drawn to a method of advertising.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Group I is drawn to a tube coupling and a method of sealing a tube in a coupling body. Group II is drawn to a method of advertising, which requires providing instructions on how to house a tube insert in a coupling, providing a product insert and posting instructions on a web site. The inventive concept for Group I is effecting a tube coupling. The inventive concept for Group II is providing advertising with a tube coupling.

Form PCT/ISA/210 (second sheet) (July 1998)